

FIGURE 1

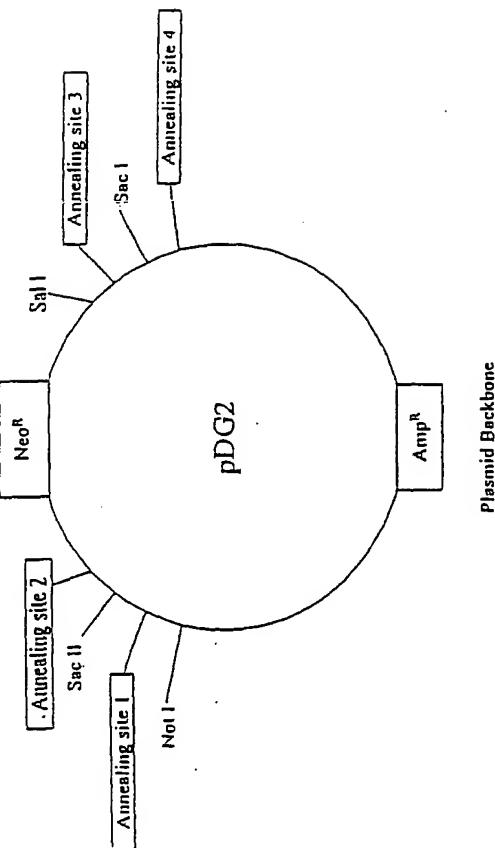


FIGURE 2A

GTTAACCTAGC TCAGGTGGCA CTTTGGGGG AAATGTGGC GGAACCCCTA TTGTTTATT TTTCTAATA CATTCAATA
 TGATCCGCT CATGAGACAA TAACCTGTAT AATGCTTCA ATAATATTGA AAAAGAAGA GATAGAGTAT TCACATTT
 CGTGTGGCC TTATGCTTCTT TTGCGGCA TTGCTTCCTG CTGTTTTGTC TACCCAGAA ACCTGGTGA AGTAAAGA
 TGCTGAGAT CAGTGGTC CACGAGTGGG TTACATCGAA CTGGATCTCA ACAGCGGTA GATCTTGAG AGTTTGC
 CGGAAGAACG TTCTCCATG ATGAGCACTT TTAAAGTCTC GCTATGTGGC GGGTATTAT CCGCTGTGA CGCGG
 GAGCACTCG GTGCCGCGAT ACACATTCTA CAGATGAT TGGTGTAGA CTACCAAGTC ACAGAAAAGC ATCTTACGG
 TGGCATGAC GTAAAGAGAT TATGCACTG TGCCATACCA ATGAGTGTAA ACACCTGGC CAACCTACTT CTGACACCA
 TCGGAGGACG GAGGGAGCTA ACCGGTCACTC GTCACACATC GGGGGATCACTA GATACCTGGC TTGATCGTC GGAAACGGAG
 CTGAAATGAA CCATACCAAG CGACGGCGGT GACACACGA TGCCCTGAGC AATGCAACA ACCTGGCCTA AACTTAAAC
 TGGGAAGACTA CTTACTCTAG CTTCGGGCA ACAATTAAATA GACTGGATGG AGGCGGATAA AGTGTGAGGA CCACCTCTG
 GCTCGGCGCT TCCGGCTGGC TGGTTTATG CTGATAAAAC TGAGCGGCGT GAGGGTGGGT CTGGCGGTAT CATTGAGCA
 CTGGGGCCAG ATGGTAAGCC CTCGGCTGAG CTAGTATTAT ACACGAGGGG GAGTGCAGCA ACTATGGAT AGCGAAATAG
 ACAGATCGCT GAGATAGTC CTCCTACGTA TAAAGCTGAG TTACTGTGAG ACCAAGTTTA CTACATATATA CTTGTAGATG
 ATTACCGCCG GTTGTATGTC AGAAAACGG CAAAGGAGG AGATGTTATG AAGCAATAT TTAATTGTA AACGTAAATA
 TTGTTTAAAT ATTCCCGTA AATTGTTGTT AATTCAGTC ATTGTTAACAC CAATAGGGG AAATCGGCA AATCCCTTAT
 AAATCAAAG ATATCCCGA GATAGGGTTC AGTGTGTTG CAGTGTGCA GAAAGTCCAA CTATTAAGA AGCTGGACTC
 CAACTCAAA GGGCGAAAGGG CGGTCTATAA CGGGCAATGGC ECACACTGTC AACCACACCA CAAATCAAGT TTGTTGGGT
 CGAGTGTGAA TAAAGACTA ATACGGAAACCT TTAAAGGGG CCCCCGATTT AGACCTGTAC GGGGAAAGGG AACCTGGG
 GAAAGAAGG GAAAGAACG AGGAGGACCG GCGTGGCG GCTGAGCTA CGCTGGCTCA CGCTGGCGCT AACACACAA
 CCCCGCCGCT TTATGCGCC GTCACAGGGC GCGTAAAGG ATCTAGGTGA AGATCTTTT TGATATCTA ATGAAACAA
 TCCCTTAACG TGAGTTCTG TTCCACTGAG CGTACAGCTG CGTAGAAAAG ATCAAGGGAT CTTCCTTGAGC TTCTTTTT
 CTGGCGCTAA TCTGCTCTT GCAACAAA AAACACCCCGG TACCCGGGT GGGTTTTTG CGCGATCAAG AGCTAACAC
 TCTTCTTCCG AAGGGTAACTG GTCTCACGAG AGCCGACAGATA CAAAAACTCTG TTCTCTTAGT GTAGCCGTAG TTAGCC
 ACTTCAGAAAG CTCCTGAGCA CGCCGCTACAT GCTACGCTG GCTAACTCTG TTACAGTGGC CTGCTGCGGAG TGGCGATAAG
 TCGTGTCTTA CCGGGTGTGA CTCAAGACCA TAGTGTACGG TTAAAGGGCA CGCGTGGGGC TAAACGGGGG TTGTC
 ACAGGCGGAGC TTGGAGGGCA CGACCTACAC CGAATCTGAG TACCTACAGC GTGAGCTATC AGAAAGCGGCG ACCTTCCCG
 AAGGGAGAAA CGCGGAGCAG TCTGGTGTG GCGCGAGGT CGGAACAGGA CGGGCAAGGA GGGAGCTTCC AGGGGAAAC
 GCGTGGTATC TTATGATGTC TTGCTGGGTT CGCCACCTT GCTTGTAGCG TGATGCTGT CGGGGGGGCG
 GAGGCTATGG AAAACCCCGA GCAACCGGC TCTTGTACG TTCTGGCGGCT TTGTCCTGCGC TTGTCCTAC AGTAAATGT
 AGTGTGCTCA CTCACTAGG ACCCGAGGT TTACACTTA TGCTTCCGGC TGCTATGTG TGCGGAAATTC TGAGCGGATA
 ACAATTCACG CAAGAAACCA GCTATGACCA TGATGACCA AGACTACCTCA ATACGACTCA CTAGCGGCGGCG GGTGTTAAC
 ATGTTGCTCC TTCTTGGCTT GCTTCCGGCG GCGCAAGGCA AGCAAGACCA GTGAGCTGA AGCTTCCCGG GACCGCGTGT
 AGCGGGCGGCC CGGAACTCTG CAGGTTCTGA GGGCCCGCCG AGGTCATTC TACCGGTAG GGGAGGCGCT TTGCG
 CAGCTGGAG CATCGCTTAA AGCAGCCCGG CTGGCACTTG CGGCTACACA AGTGGCTCTC GGCTCTCGAC ACATCC
 TCCACCGGTA CGCGCAACGG GCTCTGTTT TTGTTGGCGC CTTCGGCGCA CCTCTTACTC CTCCCCTAGT CAGGAGGTC
 CCCCGCCCGG CGAGCTCCG GTCTGAGCG AGCTGACAC GGGCAATAGC AGCTTCTACT AGTCTCTGTC AGATGACAG
 CACGGCTGAG CAATGAAAGC GGGTAGGGCT TTGGGGCGAC GCGCAATAGC AGCTTCTGTC CTTCGCTTTC TGGCTCAGA
 GGGCTGGGAAAG GGGTGGTCCG GGGGGGGGGC TCAGGGGGCG SGTCAAGGGC GGGGGGGGGCG CGUAGGTCCT CCGGAGGCC
 GGCATCTCG CACCTCTCA AAGCGCACTG CTGCTGCTG TTCTCTCTCA TTCTCACTTC CGGGCTCTTC GACCTGAGC
 CAATATGGGA TCGCCCATG AAACAGATGG ATTGACACCA GGTCTCTGGG CGCTCTGGGT CGAGAGGCTA TTGGCTATG
 ACTGGCGACA ACAGACAACTC GGTGCTCTG ATGCTGGCTG GTTGGCGCTG TGAGGGAGG GGGCGCCGGT TTCTTGTG
 AAAGACCGACG TTGCGGCTGC CTGTAATGAA CTGCGAGAC GACGAGCGCG GCTATCTGG CTGGCCACGA CGGGCGTTC
 TTGCGGAGCT GTGCGGCGC TTGTCACTGA AGCGGGAAAGS GACTGGCTGC TATGGCGGA AGTGGCGGGG CAGGATCTCC
 TGTCATCTCA CCTGCTCTC GCGGAGAAAG TATCCATCA GCGTGAATGCA ATGGCGGGCG TGCACTACGCT TGATCGG
 ACCTGGCCAT CGACACCAAA AGCGAACACAT CGCATGAGC GAGCAGCTAC TGCTATGAA GCGCGTCTTG TGATCAGGA
 TGATCTGAC GAAGACCGAC AGGGGCTGGC CGCTGCGGAA CTGAGCTGGC TGAGGGCTCT TTACTATTG TGATGATAA
 ATCTCTCTG GACCATGGC GTGCTCTG TGCGGAAATAT CAGTGTGAA ATGCGCGGT TTCTGGAAT CTGCACTGT
 GGGCGGCTGG GTGCGGCGA CGCTATGAG GACATAGCTG TGCTGACCC TGATATGCT GAGAGGCTT GCGGGAAATG
 GGCTGACCGC TTCTCTGTC TTACGGTAT CGCCCGCTGG GATTGCGAGC GCTAGCGCTT CTATGCGCTT CTGAGCG
 TCTCTCTGAG GGATCGATTC GTCTGAGAG TGCTGAGAA TGATGATCTT ATTAAACAT AAAGAATGTC ACATAAAATGG
 AAGTTTCTG TGTCATCTG TTGTAAGAG GGTGAGAACCA GAGTACCTAC ATTTGAAAG GAGGAGTTGG AGCTACGGG
 GTGGGGGGTG GGTGGGATTA GATAAAATGC TGCTCTTAC TGAGGGCTCT TTACTATTG TGATGATAA TGTTCTAG
 TTGATGATCA TAATTTAAC AAGCAACAC AATTAAGG CGACCTCATC CTGCGCTAC ATGATCTATA GATCTATA
 TCTCTCTG GATCATGTC TTCTCTG TGCTGACCC TGCTGACCC TGCTGACCC TGCTGACCC TGCTGACCC
 TAGCTGAGG AACGAGATCA CGACGGCTCTG TTCCACATAC ATCTCATTCT CAGTATGCT TTGCGCAGT CTAACT
 CAGAAGCTGA CTCTAGATCA GGATCGGGCG AGCTAGGGCG TGCACTCTGA GTGATGAGT ACCAAGGGTCC TGCTCTG
 TCCGGTGGAGC TCGAGGACAC AGGACACCGA AATTAATTAAG GCGCGGCGG TACCCCTCTG TCAAGGCCTT AGTGA
 TATTACGGAC TGGCGCTGCT TTACAACTGT CGTGAATGGG AAAACCTGG CGTACCCCGA CTAAATGCGG TTGCG
 TCCCCCTTGC CGCAGCTGGC GTAAATAGCGA AGAGGGCCCGG ACCGATCGCC CTTCACAAACG GTGCGCCACG CTGAGTGGG
 AATGGCGCTT CGCTGTGGG TAAGCCCCGG TTGGCGGGG TTTTTTTT;

FIGURE 2B

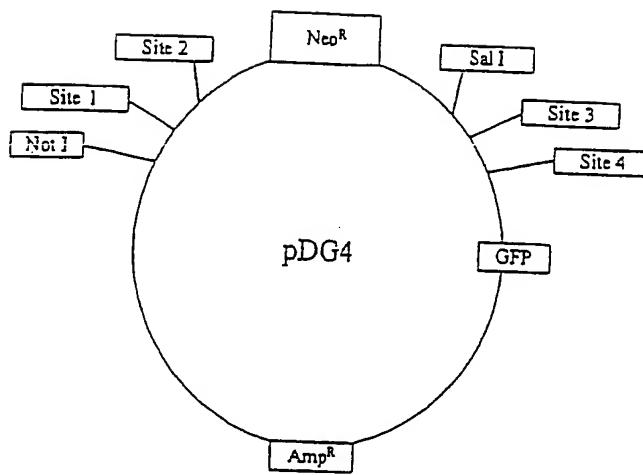


FIGURE 3A

GTTTAATAGT AATCAATTAC GGGGTCAITTA GTTCATAGCC CATAATATGGA GTTCCCGCGTT ACATAACTTA CGGTAAATGG
 CCCGCCTGGC TGACCGGCCA ACGACCCCCG CCCATGAGC TCAATAATGA CGTATGTTCC CATACTAACG CCAACTAGGA
 CTTTCAATG ACGTCATGG GTGGAGTATT TACGGTAAAC TSCCCACTTG CCACTACATC AACTGTATCA TATGCCAAGT
 ACGGCCCTCA TTGACGTTAA TGACGGAAA TGCCCGCGCT GGCAATTAAGC CCACTACATG ACCTTATGGG ACTTTCATAC
 TTGGCACTAC ATCTACGTTA TAGTCATCC TATTACCATG TGATGGGGT TTTGGCAGTA CACCATATGGG CGTGGATAGC
 GTTTGACTC ACGGGGATTI CCAAGTCATCC ACGGCAATGG CTCATGGGGT GGACCCAAA TCAACGGGAC
 TTCCAAAATG GTCTAACAA CTCCGGCCC TTGAGGCAA TTGGCGGTAG CGGTGACCG TGCGGAGGTCT ATATAAGCAG
 AGCTGGTTA GTGACCGCTA AGATCCGCTA GCGTACCGG TGCCACCATG CCGTACGAGG GGGAGGAGC TGTCACCGG
 GGTGGGCTTAC ATCTGGCTG AGCTGGACGG CGACGTAAGC TGACGTCG CCGCCGAGGG GAGGGGATG
 CCACCTACGG CAAGCTGGC CTGAGTCTA TCTGGCACAC CGCAACCTG CGGGTCCCT GGGCACCCCT CGTACCAAC
 CTGACCTGG CGTGGAGTGG CTTCAGCCCG TACCCCGAGC ACATGGAGCA CGACGACTTC TTCAAGTCCG CCATGCCGA
 AGGCTACGTC CAGGGCGCA CCATCTCTT CAGGAGCAC GCAACTACG ACGCCCGCGC CGAGGGTGAAG TTGGGGCG
 ACACCCCTGGT GAACGGCAGT GACCTGAAGG CGATGGACTT CAGGGAGGAG GCGAACATTC TGCGGACAA
 AACTACAAACA GGCACAACTG CTATATCATG GCGCAGGAGC AGAAAGGAGC CATACGGTAAACCTCAAGG
 CATGGAGGAC GGCAGGGCTC AGCTGGCCG CGACGAGGAGC CCAACTACAC GAGAACACCC CGACGGCGA CGGGCCCGT
 ACACCAACTA CTCGGAGGAC CAGTCGGCCG TGAGCAAGA CGCCAAAGGAG ACGGGGAGTC ACATGGTCTG CTGAGGATTC
 GTGACGGCCG CGGGGATGCA TCTGGCGATG GACGGACTGT ACAGTCCG ACCTGAGTC ACGGGATCTA GATACTGAT
 CATAATCAGC CATAACACAT TTGTAGAGGT TTACTCTGT TTAAACAAA TCCACACCT CCCCCCTGAC CTGAACATA
 AAATGAATGC AATTTGTTG GTTAACTTGT TTATTCAGC TTATAATGGT TACAAATAAA GCAATAGCCT CACAAATTC
 ACAAAATAG CTTTTTTTCT ACTGATTCTG AGTGTGTTG TGTCCTAACT CTAATGTA TCTTAAACCCG AACTACTCA
 GGTGGCACTT TTGGGGAAA TTGGGGCGGA ACCCCCTATG TTGTTATTCTT CTAATACAT TCAAAATAATG ATCCGCTCAT
 GAGACATAA CCTCTGATAA TGCTTCAATG ATATTGAAA AGGAAGAGTA TGAGTATTC ACATTTCGG GTGCGCTTCA
 TTTCCCTTTT TGCGGCTAC TGCCCTCCG TTTTGTCTA CGGAGAACCG CGGGTGAAGA TAAAGAGTC TGAGAGTCAG
 TTGGGTGCA CGAGTGGTTA CATCGAACG GATCTCAACG CGGTGAGAGT CTTGGGCCCCA AAGAACCTTC
 TCCAACTGAG CAGACTTTA AAAGTCTGCT ATGGGGGGG GTTATTTCTC GTGTTGAGCG CGGGCAAGAG CAACTCGTC
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 AGAGAATTAT CGACTGCTCG CTAACCATG AGTGTAAACG CTGGGGCCAA CTACTCTG ACAACGATCG GAGGAGGAA
 GGAGCTAACC GCTTTTCTG ACACATGGG CGATCTGTA ACTGGCTTG ATGCTGGGG AGGGAGCTG ATGAGAGCA
 TACCAACCA CGAGCTGAAAC ACCAGGAGTC CTGAGTGGAC CGACACAAAGC TTGGGCAACAC TATTAATCTG CGAACACTT
 ACTCTAGCTT CCTGGGAAACCA ATTAATAGAC TTGGGGAGGG CGGATTAAGAT TGAGGACCC CTTCTGGCGT CGGGCCCTTC
 GGCGGCTGG TTATTCAGT TTAAATCTGG AGCCGGTGG AGTGGGCTTC CGGGTATCAT TGACGACACTG GGGCGAGATG
 GTAAAGCTTC CGGTATGTA GTTATCTACA CGACGGGGGG TGAGGACAGC ATGTTGAGAC GAAATAGACA GATCGCTGAG
 ATAGGTGCTT CACTGTTAA CGATTTGGTA TGCTGAGACG AGGTGTTACTC ATATAATACCT TAGATGATT TACCCCGTT
 GATAATTCAGA AAAGCCCAA AAACAGGAAAG ATTTGATAGA CAAATTTAAATG TTGTTAAATG TTGTTAAAT
 CGGGTAAAT TTTTGTAA TGAGCTCTT CTTAAACCA TAGGGCCAA TGCGGAAAC CGCTTATAAA TCAAAAGAAT
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 CGAAAACCCG TCTATAGGG CGATGGCCCA CTACGTGAC CTCACCCAA ATCAACTTTT TGGGGTGCA GTGCGCTTAA
 AGCACTAAT CGGAACTCTA AAGGGAGGCC CGGATTTAGA GTTGGAGGG GAAAGGGAAAC GTGGGGAGAA AGGAAGGGAA
 GAAAGCGAA CGGAGGGGGG CTAGGGCCCT CGGAATGTA CGGGGCTAC CACACACCC CGGGCCCTTA
 ATGGGGCGGT ACAGGGGGG TAAAGGGTC TAGGTGAGA CTTTTTTGTA ACCAAATCTC CTAACTGTA
 GTTGGCTGGT CACTGGGGT CGAACGGGGT AAAGAGATCTT CTGGGAGATCC TTGTTTCTG CGGCTTAATCT
 GGTTGGCTGCA AACAAAANNA CGAACGGCTAC CGGGGGTGGT TACGGAGAGC TACCAACTCT TTTCCGAG
 GTAACTGGCT TCAGCAGAGC CGAGATACCA AATACGTTG TTCTAGTGTG CGCGTAGTTA CGCACCAACTC TCAAGAACTC
 TGAGCAGGG CCTACATAC TGCTCTGTT AATCTGTTA CGAGTGGCTG CTGGGAGTGG CGATAGTGG TGCTTACCG
 GTTGGGACTC AAGACATAG TTACGGGATA CGGGGGAGG CGGGGGCTGA ACGGGGGGTT CTGCAACACA CGGAGCTTG
 GAGGGAGGCA CCTACACCGG ACTGAGGATAC CTACAGGGG AGCTTGTAGAGA AGGGGGCAGG CTTCGGGAGG GGAGAAAGGC
 GGACAGGTT CGGTGAGGG CGAGGGTGGG AACAGGGAGG CGCACCGGGG TTCTCTGG CTTGGTATCTT
 ATAGTCCTGT CGGGTTCTG CACCTCTGAC TTGAGCTGCG ATTTTGTGTA TGCTCTGAG GGGGGCGAG CCTATGAAA
 AACGGCAGCA AGCGGGCTT TTGGGGCTT TGCGGCTTCT TGCTCACATG TAATGTGAGT TAGCTCACTC
 ATTAGGACACC CGAGGCTT CACTTTATGC TTGGGGCTCC TAGGTGTTGT CGGATTTGTGA CGGATTAACCA ATTTCACACA
 GGAAACAGCT ATGACCAAGA TTACGGGCAAG CGACTCAATG CGGGGGCGCG TTAAACAAAT GTGCTCTCT
 TTGGCTTGTG TCCGGGGCC AAGCCAGACA AGAACGGATI GACCTCAAGC TTCCCGGGAC CGGTGCTAGC GGCGCGCC
 ATTCCTGAG GATTCGGAGG CGGGCTGAGG TGCAATCTAC CGGGTAGGGG AGGGCTTCTT CCAAGGAGC TCTGGAGCAT
 GCGCTTATGC AGGGGGCTG CGACTTGGCC CTACACAGT GGCGCTGAGC TTGGCACACA TTCCACATCC ACCGGTAGGG
 CGAACGGGT CGGTCTTCTG GTGGGGCTTC CGGGCCACCT TCTACTCTC CCTCTAGTCA AGGTGTTCCC CGGGCCCTTC
 AGCTGGCGTC GTGCGAGGAG TGACAAATGG AAGTAGAGCG TCTCACTAGT CTGGTGGAGA TGAGCAGCAC CGGTGAGCAA
 TGGGAGGGGG TAGGGCTTGG CGGAGCGGC CAACTGAGC TTGGCTCTT CGGTTTCTGG CGTCAAGAGGC TGGGAAGGGG

FIGURE 3B1

TGGGTCCGGG GCGGGGCTCA GGGGGCGGCT CAGGGGGCGG GCGGGGCGGA AGGTCTCCC GAGGCCCGGC ATTCTCGAC
 GCTTCAAAG CGCACGCTG CGCGCTGTTT CTCTCTCCC TCATCTCCC GCGCTTCGAC CTGCAGCCAA TATGGATCG
 GCGATGAC AAGATGGATT GCAAGCGAGGT CTCTCCGGCGG CTTCGGTCCA GAGGCTATTC GCGTATGACT GGCACACAA
 GACAACTGGC TGCTCTGATG CGCGCTGTTT CGCGCTGTTA CGCGAAGGGCG GCGCGGTTCT TTTGTCTAG ACCGACCTGT
 CGCGTCCCT GAAATGAACTC CAGGGCGAGG CAGCGCGGCT ATCGCTGCTG CGCACGACCGS CGCTCCCTG CGCACGCTG
 CTGAGCGTTG TCACGTGAAAG GGGAAAGGAC TGGCTGCTAT TGGCGGAAGT GCGGGGGCG GATCTCCCTG GATCTCACCT
 TGCTCTGCC GAGMAAAGTAT CCATCATGCC TGATGCAATG CGGGGGCTGCA ATACGCTTGA TCGCGCTTACCG TGCCTCATCG
 ACCACCAAGC GAAACATCGC ATCGAGCGAG CACGTTACTCG GATGGAGGCC GGTCTTGTG ATCAGGATGA TCTGGACGAA
 GAGCATCGG GGCTCGCGCC AGCGGAAGTC TTGCGCGAGG TCAAGGGCGG CAGCGCGAC GGCAGTGTAC TGGTGTGAC
 CCTATGCCAT GCGCTCTGCG CGAAATATCAT GTGCGAAATAAT GCGCGCTTT CTGGATTCTAT CGACGCTGGC CGCGTGGGTG
 TGGCGGACCC CTATCAGGAC ATAGCGTGG CTACCGCTGA TATGGCTGAA GAGCTTGGGG CGGAATGGGG TGACCGCTTC
 CTGCTGCTTT ACGGTATGCC CGCTCCCGAT TCGCAGCGCA TCGCTCTCTA TCGCTCTCTG GACGAGTTCT TCTGAGGGGA
 TCGATCCGTC CTGTAAGGCT GCGAGAAATG ATGATCTTAA AAACAAATAAA GATGTCCTACT AAAATGGAAG TTTTCTGT
 CATACTTGT TAAGGAGGGT GAGAAACAGAG TACCTACATT TTGAATGGAA GGATTGGAGC TACGGGGGGT GGGGGGGGT
 GGGATTAGAT AAATGCTGTC TCTTACTGA AGGCTCTTAA CTATGCTTT ATGATAATGTT TCTCATAGTG GATAATCATAA
 TTAAACACAT AAACACCAA TTAAAGGGCA GCTCATCTCT CCCACTCTCAAG ATCTATAGAT CTATAGACT CTGCTGGGAT
 CATTGTTTT CTCTGATTC CCACATTGTC GTTCTAAGTA CTGCTGGTTTC CAAAGTGTGCTGCTGATAGACAG CTCGAAGAAC
 GAGATCAGCA GCTCTGTTTCA CACATACAT CTATCTCGA TATGGTTTG CGAGCTTCTA ATTCCTATCG AAGCTGACTC
 TAGATCTGGA TCGCGCAGAC TAGGCGCTGG ACCTCGAGTG ATCAGGTACG AGGTCTCTGG CTCTGTTGTCG GTTGAAGCTG
 ACGACACAGC ACACCAAAAT TAATTAAGGG CGGGCGCTAC CCTCTAGTCA AGGCTCTTAAG TACGTCTAT TACCGACTGG
 CGCTGCTTTT ACGAAGCTGTG GACTGGAAAC ACCCTGGCGT TACCCACTT ATCGCTCTG CGACACATCC CCCCTTGGG
 AGCTGGCTTA ATAGCGAAAGA GGCCTGCACCC GATCGCCCTT CCGAACAGTT CGCGACGCTG AATGGCGAAAT GGCCTTGGC
 TTGGTAAATAA AGCCCGCTTC GGCCTGGCTT TTTT

FIGURE 3B2

Aminenring site	Sequence	Sequence after digestion	
		5'	3'
1	5' tggtctctttggcttggtttccaa... 3' 3' aacggagaaacccaaacgggtt... 5'	5' tggtctctttggcttggtttccaa... 3' 3' tt... 5'	
	5' cgggtttttttggcttggtttccaa... 3' 3' gaccggaaacggacaaacgggtt... 5'	5' cgggtttttttggcttggtttccaa... 3' 3' tt... 5'	
2	5' gggtttttttggcttggtttccaa... 3' 3' ccaggcgagacacggaaactt... 5'	5' gggtttttttggcttggtttccaa... 3' 3' tt... 5'	
	5' ttgggtttttttggcttggtttccaa... 3' 3' aaaggcaacggaaacacggacgtt... 5'	5' ttgggtttttttggcttggtttccaa... 3' 3' tt... 5'	
3	5' ttgggtttttttggcttggtttccaa... 3' 3' aaaggcaacggaaacacggacgtt... 5'	5' ttgggtttttttggcttggtttccaa... 3' 3' tt... 5'	
	5' ttgggtttttttggcttggtttccaa... 3' 3' aaaggcaacggaaacacggacgtt... 5'	5' ttgggtttttttggcttggtttccaa... 3' 3' tt... 5'	

FIGURE 4

Annealing site	Sequence	Sequence after digestion	
1	5' AAtgtgtctctttggcttgcgtCCGC 3' Ttacacgaggaaaacctgaaacgaaagg	5' AA 3' Ttacacgaggaaaacctgaaacgaaagg	3' 5'
2	5' AActgggtttgtgtggcttggccGGC 3' Ttggaccaagaacacgaccggg	5' AA 3' Ttggaccaagaacacgaccggg	3' 5'
3	5' AAggtccctcgctctgtgtGAGCT 3' Ttccggaggcgagacacaggcaac	5' AA 3' Ttccaggaggcgagacacaggcaac	3' 5'
4	5' AAttttgggtgtgtgtGAGCT 3' Ttaaacgcacaggacacagcagc	5' AA 3' Ttaaacgcacaggacacagcagc	3' 5'

FIGURE 5

FIGURE 6

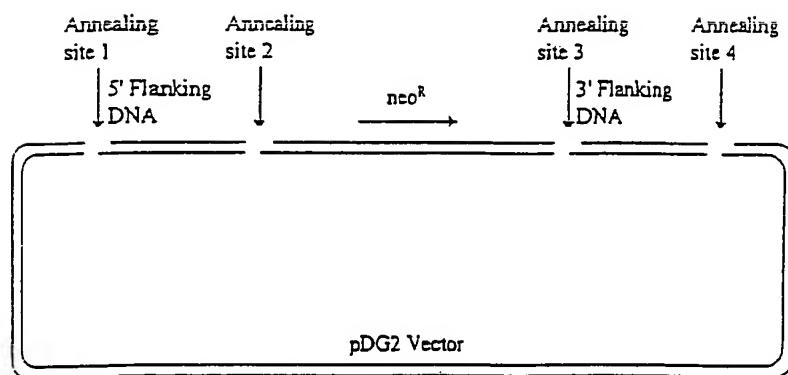
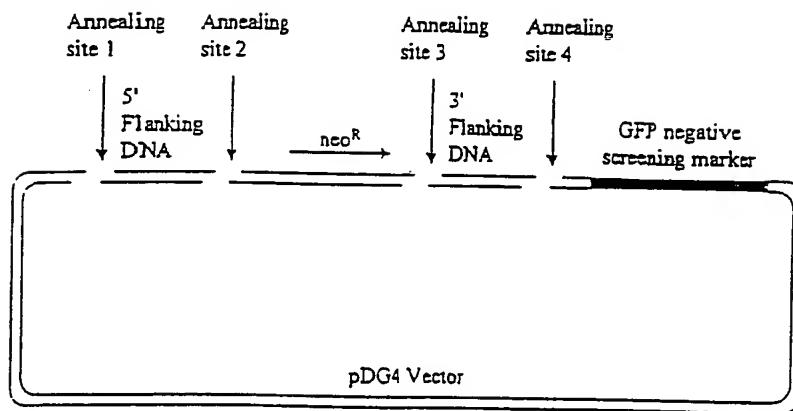


FIGURE 7



<u>Oligo#</u>	<u>Sequence (5' to 3')</u>
174	ATGACCGCTCAGGAACCTGTTGCA
180	ATAGGCATAGTAGGCCAGCTTGAGG
454	tgtgcctccctttggcttgccttccAAATTAAACCCCTCACTAAAGGGAACGAAT
463	ctgggtttttgtctggcttggcccaaTGCAACAGGTTCTGAGCGGTCT
464	ggtcctcgctctgtgtccgttggaaCCTCAAGCTGGCCTACTATGCCCTAT
42	tttgcgtgtccctgtgtcgaaCGACTAATACGACTCACTATAGGGCG
151	GCCAATGGACTCTTAGTTTGGAAC
155	GTTCTGGCAAAACAAATTGGCGCAC
454	tgtgcctccctttggcttgccttccAAATTAAACCCCTCACTAAAGGGAACGAAT
465	ctgggtttttgtctggcttggcccaaGTTCAAACAACTAAGAGTCCATTGGC
466	ggtcctcgctctgtgtccgttggaaGTGCGCCGAATTGTTGCCAGAAC
1	GAACCTTGGTGTGCCAAGTTACTTC
2	GAACCTTGGCTGAACCCCTTGTCT
41	tgtgcctccctttggcttgcgttggaaCGACTAATACGACTCACTATAGGGCG
38	ctgggtttttgtctggcttggcccaaGAAGTAACCTGGCACACCAAGGTTTC
40	ggtcctcgctctgtgtccgttggaaAGAACAAAGGGGTTCAGCCAAAGTTTC
37	tttgcgtgtccctgtgtcgaaATTAAACCCCTCACTAAAGGGAACGAAT
540	ATGCCGGATCTCTACTACTGGGCC
546	TGTCAATAGTAGACAGCGATGGAACG
445	GACAAGAACCAAGTTGACCTCAAGCTTCCCGGGACGCCGTGCTAGCGGCCGCGCG
667	ctgggtttttgtctggcttggcccaaGGCCCAAGTAGTAGGAGATCCGGCAT
668	ggtcctcgctctgtgtccgttggaaCGTTCCATCGCTGTCTACTATGACA
907	ctgggtttttgtctggcttggcccaaAAAGCCGACAGCCACAGCTCACAAAGC
908	ggtcctcgctctgtgtccgttggaaGCCCAATGCCACAGAGACAGAAATGT
1157	ctgggtttttgtctggcttggcccaaGTGGATCTCTCAAGGCCCCATCT
1158	ggtcctcgctctgtgtccgttggaaCTCCAGTGCCGAGTGTGTGGGGACAG

Figure 8